



Teaching in 3-D: Demystifying the NGSS

Using Researched-Based Practices for Teaching in a Next Generation Science Classroom

Workshop # 099-16

May 24 and 25, 2016

GRREC Office & Training Facility • 230 Technology Way • Bowling Green, KY

Confused by the NGSS? Has science instruction really changed? What will Next Generation Assessments for Science look like? Are we expecting more of students than ever before?

How do I teach Engineering to my students?

All of this and more will be answered as we explore the Next Generation Science Standards while embedding instructional practices like the 5-E Model, Formative Assessment, and Thinking Strategies.

Brian Womack, Science Instructional Specialist, is a 19-year educator having served as a science classroom teacher, administrator, education consultant, WKU Adjunct-Instructor, and past board member of the KY Science Teachers Association.

Model Teaching, Demonstrations, and Discussions are utilized to teach topics like:

What Are Best Practices?

- Understanding the Vision
- Creating a 3-D Experience
- Exploring Phenomena
- Assessing Mastery

Instructional Approaches

- 5-E Model of Instructional Inquiry
- Thinking Strategies
- Gradual Release of Responsibility
- Task-Based Discussions

Science and Engineering Topics

- Digital Transmission and Waves
- Energy Transforming Windmills
- Minute-Made Rockets
- Rockets Part II: How High Did That Go??
- Everyday Engineering
- Make and Innovate

And Much More!!

For: Intermediate and Middle School Science Teachers, Curriculum Coordinators, & Gifted and Talented

Dates: May 24 & 25, 2016

Location: GRREC, Bowling Green, KY

Time: 8:30 - 3:30 (CDT)
Registration and Lite Breakfast begins at 8:00 a.m.
(Lunch on your own)

Cost: \$300 for GRREC members
\$500 for non-GRREC

Materials: Each participant will receive a copy of the referenced book(s) and other STEM resources.

Registration Form

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Please Print:

Name: _____ Position: _____

School: _____ District: _____

Email: _____ Cell Phone #: _____

P.O. # _____ (required for registration)

Note: School districts (or schools) will be billed following the activity based upon registration. Cancellations must be made within five (5) working days of the activity to avoid being billed for fee. Substitutions will be allowed.

[Click Here to Register Online](#) or

Fax this form to GRREC AT **(270) 563-2208**

Registration Deadline: May 13, 2016

Contact Brian Womack at brian.womack@grrec.org with any questions.

Sponsored by

Green River Regional Education Cooperative

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